

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	16	("6,256,185" "5,986,896" "5,546,268" "4,978,865" "4,953,056" "4,949,215" "4,878,147" "4,661,766").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 10:47
S2	0	10/731560	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 11:20
S3	1	"4893102".PN.	USPAT; USOCR	OR	OFF	2006/02/23 11:14
S4	2702	duty adj cycle and capacitor and multi\$1vibrator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 11:21
S5	764	duty adj cycle and capacitor and multi\$1vibrator and coil and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 11:21
S6	1751	duty adj cycle and capacitor and multi\$1vibrator and coil and switch (361/139 361/154).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 11:22
S7	6	duty adj cycle and capacitor and multi\$1vibrator and coil and switch and (361/139 361/154).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 12:03
S8	28	("4511945"   "4679116"   "4720763"   "4833565"   "4893102"   "5128825"   "5270898"   "5315471").PN. OR ("5546268").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 11:23

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S9	26	nand and (361/139 361/154).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 12:03
S10	1	("5394131").PN. OR ("6057750"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 12:07
S11	16	("3453569"   "3737736"   "4475094"   "4812945").PN. OR ("5510951").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 12:18
S12	128	hysteresis and comparator and duty adj cycles and coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 16:01
S13	64	hysteresis same comparator and duty adj cycles and coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 16:01
S14	1	hysteresis same comparator same duty adj cycles and coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 16:09
S15	8	("4490620"   "4585986").PN. OR ("5343351").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 16:06
S16	64	hysteresis same comparator and duty adj cycles and coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 16:10
S17	16	("3453569"   "3737736"   "4475094"   "4812945").PN. OR ("5510951").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:02
S18	4496	nand and duty adj cycle	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:02
S19	862	nand same (duty adj cycle duty\$1cycle)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:02

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S20	170	nand same (duty adj cycle duty\$1cycle) and coil	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:03
S21	66	nand same (duty adj cycle duty\$1cycle) and coil and (hysteresis schmitt)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:03
S22	30	("3493878"   "3845405"   "3864642"   "4127887"   "4158866"   "4186418"   "4293888").PN. OR ("4363068").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:21
S23	638	361/154.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:47
S24	24	361/154.ccls. and nand	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:32
S25	17	nand same (timer oscillator pwm) same capacitor same coil same driver	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:33
S26	6	nand same (timer oscillator pwm inverter) same capacitor same coil same driver and (duty adj cycle duty\$1cycle)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:36
S27	4782	briedis.in. eaton.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:36
S28	1	briedis.in. and eaton.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:38
S29	5196	duty adj cycle and solenoid	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:39
S30	1269	duty adj cycle and solenoid and "and"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:39
S31	80	duty adj cycle and solenoid and "and" same capacitor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:39
S32	54	duty adj cycle and solenoid and "and" same capacitor and inverter	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:39
S33	874	nand same time adj constant same capacitor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:48
S34	25	nand same time adj constant same capacitor same duty adj cycle	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:48

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S35	23	("3579052"   "3864608"   "4227230"   "4293888"   "4310868"   "4546403"   "4599548"   "4630165"   "4680667"   "4720762"   "4729056"   "4764840"   "4812945"   "4890188"   "5414342"   "5450276"   "5469095"   "5629610").PN. OR ("6061224"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 17:58
S36	34	("4266261"   "4295177"   "4300508"   "4605983").PN. OR ("4764840").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:10
S37	51343	time adj constant\$1 same logic gates same pulse	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:10
S38	98	time adj constant\$1 same logic adj gate\$1 same pulse	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:11
S39	2	time adj constant\$1 same logic adj gate\$1 same pulse same coil	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:11
S40	8	time adj constant\$1 same logic adj gate\$1 same pulse same (hysteresis schmitt)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:13
S41	36	time adj constant\$1 same nand same pulse same (hysteresis schmitt)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:16
S42	96	time adj constant\$1 same nand same (hysteresis schmitt)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:16
S43	0	time adj constant\$1 same nand same (hysteresis schmitt) and "361. clas"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:16
S44	5	time adj constant\$1 same nand same (hysteresis schmitt) and "361".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:18
S45	87	nand same (hysteresis schmitt) and "361".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:18
S46	11	nand same (hysteresis schmitt) and "361".clas. and solenoid	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:19
S47	5	("4291358"   "4319301"   "4377144"   "4599674").PN. OR ("4688139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:30

## EAST Search History

S48	7	("4180026"   "4688139"   "4989116"   "5053911"   "5107391").PN. OR ("5402302").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:42
S49	9	briedis.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:42
S50	3	(briedis hastiongs Scharnick).in. and eaton.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:43
S51	36	(briedis hastings Scharnick).in. and eaton.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:45
S52	7663	guo.in. Yazaki.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:46
S53	7	guo.in. and Yazaki.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:46
S54	110	chopper same (nand not\$1and)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:47
S55	36	chopper same (nand not\$1and) and (coil solenoid armature)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 09:47
S56	37	chopper same (nand not\$1and) and (coil solenoid armature)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 11:53
S57	16	nand same inverter same capacitor same resistor same pwm	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 11:56
S58	1298	inverter with feedback same capacitor same resistor	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 11:57
S59	83	inverter with feedback same capacitor same resistor same nand	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 11:57
S60	41	inverter with feedback same capacitor same resistor same nand same oscillat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 11:57
S61	8	("3851277"   "3878483"   "3914711"   "4039973"   "4058777"   "4095194").PN. OR ("4286233").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 12:14
S62	10	("3671881").PN. OR ("3914711").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 12:16

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S63	9	("3914711"   "4420700").PN. OR ("RE32526").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 12:18
S64	13	("3243652"   "3341788"   "3448388").PN. OR ("3671881"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/24 12:25